



RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Touch Control Gaming Earbuds
Model Name	VG22-GSPL-TWSEARBUDS
Series Model	PC037V2, PC037V3, PC037V4, PC037V5
FCC ID	2A6JM-PC037

2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR.}$$

Where $f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

3. CALCULATION

BR&EDR:

$P_t = 1.631 \text{ dBm} = 1.46 \text{ mW}$

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation $\text{SAR} = (1.46 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.402 \text{ GHz}}] = 0.453 < 3.0$ for

4. CONCLUSION

The SAR evaluation is not required.

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